

**AMENDMENT TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-3 (canceled)

Claim 4 (original): A method for encoding a motion video signal, the method comprising:

initializing an accumulated bandwidth record;

encoding a first frame of the motion video signal to form an encoded frame;

determining a consumed bandwidth of the encoded frame;

adjusting the accumulated bandwidth record according to the consumed bandwidth;

comparing the accumulated bandwidth record to a desired range of acceptable accumulated bandwidth;

adjusting a quantization parameter such that encoding subsequent frames of the motion video signal according to the quantization parameter as adjusted consumes bandwidth in a manner which compensates for a deviation from the desired range of acceptable bandwidth by the accumulated bandwidth record; and

encoding a second frame of the motion video signal according to the quantization parameter as adjusted.

1                   Claim 5 (original): The method of Claim 4 wherein the step of  
2 adjusting the accumulated bandwidth record comprises:  
3                   adding to the accumulative bandwidth record an amount of available  
4 bandwidth between the first frame and a preceding frame; and  
5                   subtracting from the accumulative bandwidth record an amount of  
6 bandwidth consumed by the encoded frame.

7  
8                   Claim 6 (original): The method of Claim 4 wherein the second  
9 frame is subsequent to the first frame the motion video signal.

10  
11                  Claim 7 (original): The method of Claim 4 wherein the step of  
12 adjusting the quantization parameter comprises:  
13                  determining that the accumulated bandwidth record represents  
14 accumulated bandwidth in excess of the desired range; and  
15                  decreasing the quantization parameter to increase bandwidth  
16 consumed by encoding of subsequent frames of the motion video signal.

17  
18                  Claim 8 (original): The method of Claim 4 wherein the step of  
19 adjusting the quantization parameter comprises:  
20                  determining that the accumulated bandwidth record represents  
21 accumulated bandwidth which is below the desired range; and  
22                  increasing the quantization parameter to decrease bandwidth  
23 consumed by encoding of subsequent frames of the motion video signal.

24  
25                  Claims 9-18 (canceled)

1        Claim 19 (original): A computer readable medium useful in association  
2 with a computer which includes a processor and a memory, the computer readable  
3 medium including computer instructions which are configured to cause the  
4 computer to perform the steps of:

5        initializing an accumulated bandwidth record;  
6        encoding a first frame of the motion video signal to form an encoded frame;  
7        determining a consumed bandwidth of the encoded frame;  
8        adjusting the accumulated bandwidth record according to the consumed  
9 bandwidth;  
10        comparing the accumulated bandwidth record to a desired range of  
11 acceptable accumulated bandwidth;  
12        adjusting a quantization parameter such that encoding subsequent frames of  
13 the motion video signal according to the quantization parameter as adjusted  
14 consumes bandwidth in a manner which compensates for a deviation from the  
15 desired range of acceptable bandwidth by the accumulated bandwidth record; and  
16        encoding a second frame of the motion video signal according to the  
17 quantization parameter as adjusted.

18  
19        Claim 20 (original): The computer readable medium of Claim 19 wherein  
20 the step of adjusting the accumulated bandwidth record comprises:

21        adding to the accumulative bandwidth record an amount of available  
22 bandwidth between the first frame and a preceding frame; and  
23        subtracting from the accumulative bandwidth record an amount of  
24 bandwidth consumed by the encoded frame.  
25

1           Claim 21 (original): The computer readable medium of Claim 19 wherein  
2 the second frame is subsequent to the first frame in the motion video signal.

3  
4           Claim 22 (original): The computer readable medium of Claim 19 wherein  
5 the step of adjusting the quantization parameter comprises:

6           determining that the accumulated bandwidth record represents accumulated  
7 bandwidth in excess of the desired range; and

8           decreasing the quantization parameter to increase bandwidth consumed by  
9 encoding Of subsequent frames of the motion video signal.

10  
11          Claim 23 (original): The computer readable medium of Claim 19 wherein  
12 the step of adjusting the quantization parameter comprises:

13          determining that the accumulated bandwidth record represents accumulated  
14 bandwidth which is below the desired range; and

15          increasing the quantization parameter to decrease bandwidth consumed by  
16 encoding of subsequent frames of the motion video signal.

17  
18          Claims 24-33 (canceled)

1 Claim 34 (original): A computer system comprising:  
2 a processor;  
3 a memory operatively coupled to the processor; and  
4 a motion video signal encoder which executes in the processor from the  
5 memory and which, when executed by the processor, performs the steps of:  
6 initializing an accumulated bandwidth record;  
7 encoding a first frame of the motion video signal to form an encoded  
8 determining a consumed bandwidth of the encoded frame;  
9 adjusting the accumulated bandwidth record according to the  
10 consumed bandwidth;  
11 comparing the accumulated bandwidth record to a desired range of  
12 acceptable accumulated bandwidth;  
13 adjusting a quantization parameter such that encoding subsequent  
14 frames of the motion video signal according to the quantization parameter  
15 as adjusted consumes bandwidth in a manner which compensates for a  
16 deviation from the desired range of acceptable bandwidth by the  
17 accumulated bandwidth record; and  
18 encoding a second frame of the motion video signal according to the  
19 quantization parameter as adjusted.

20  
21 Claim 35 (original): The computer system of Claim 34 wherein the step of  
22 adjusting the accumulated bandwidth record comprises:  
23 adding to the accumulative bandwidth record an amount of available  
24 bandwidth between the first frame mad a preceding frame; and  
25 subtracting from the accumulative bandwidth record an amount of

1 bandwidth consumed by the encoded frame.

2  
3 Claim 36 (original): The computer system of Claim 34 wherein the second  
4 frame is subsequent to the first frame in the motion video signal.

5  
6 Claim 37 (original): The computer system of Claim 34 wherein the step of  
7 adjusting the quantization parameter comprises:

8 determining that the accumulated bandwidth record represents  
9 accumulated bandwidth in excess of the desired range; and  
10 decreasing the quantization parameter to increase bandwidth  
11 consumed by encoding of subsequent frames of the motion video signal.

12  
13 Claim 38 (original): The computer system of Claim 34 wherein the step of  
14 adjusting the quantization parameter comprises:

15 determining that the accumulated bandwidth record represents  
16 accumulated bandwidth which is below the desired range; and  
17 increasing the quantization parameter to decrease bandwidth  
18 consumed by encoding of subsequent frames of the motion video signal.

19  
20 Claims 39-45 (canceled)

21  
22 Claim 46 (new): A computer readable medium comprising instructions  
23 which, when executed by a computer, performs the method of Claim 4.